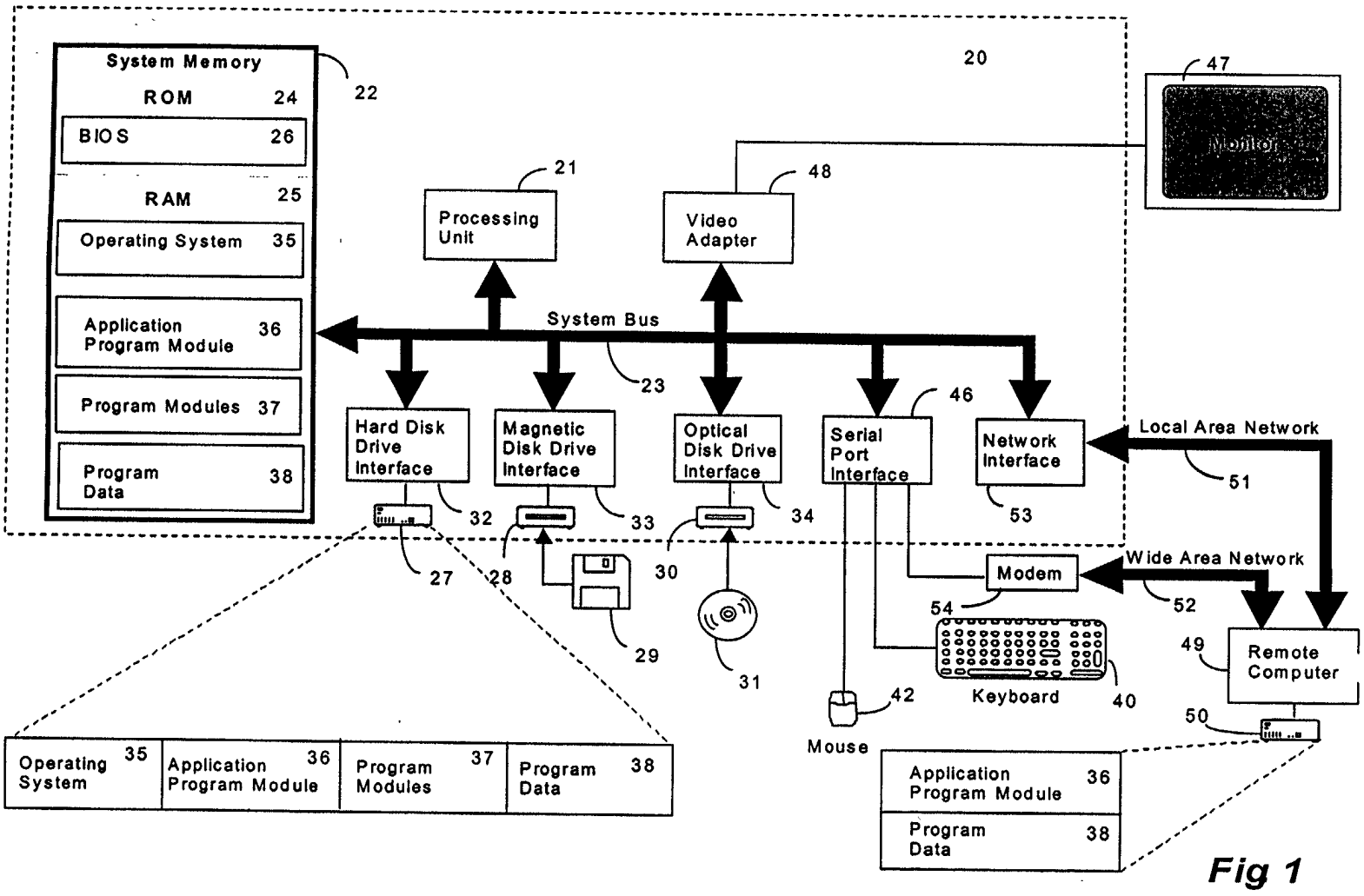
System Memory
ROM 24
BIOS 26
RAM 25
Operating System 35
Application Program Module 36
Program Modules 37
Program Data 38
22
20
47
Monitor
21
Processing Unit
48
Video Adapter
System Bus
23
Hard Disk Drive Interface
Magnetic Disk Drive Interface
Optical Disk Drive Interface
Serial Port Interface
46
Network Interface
Local Area Network
51
53
32
33
34
27
28
30
29
31
Modem
Wide Area Network
52
54
Keyboard
40
49
Remote Computer
50
42
Mouse
Operating System 35
Application Program Module 36
Program Modules 37
Program Data 38
Application Program Module 36
Program Data 38

Fig 1

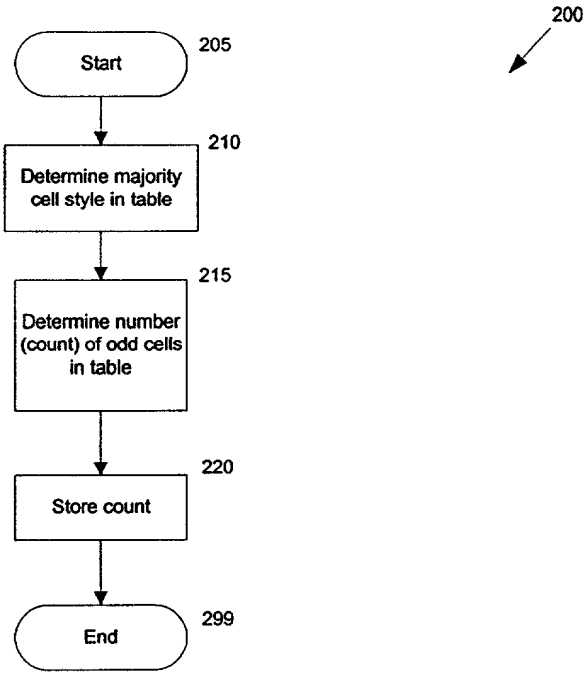
200
Start
205
Determine majority cell style in table
210
Determine number (count) of odd cells in table
215
Store count
220
End
299

FIG. 2

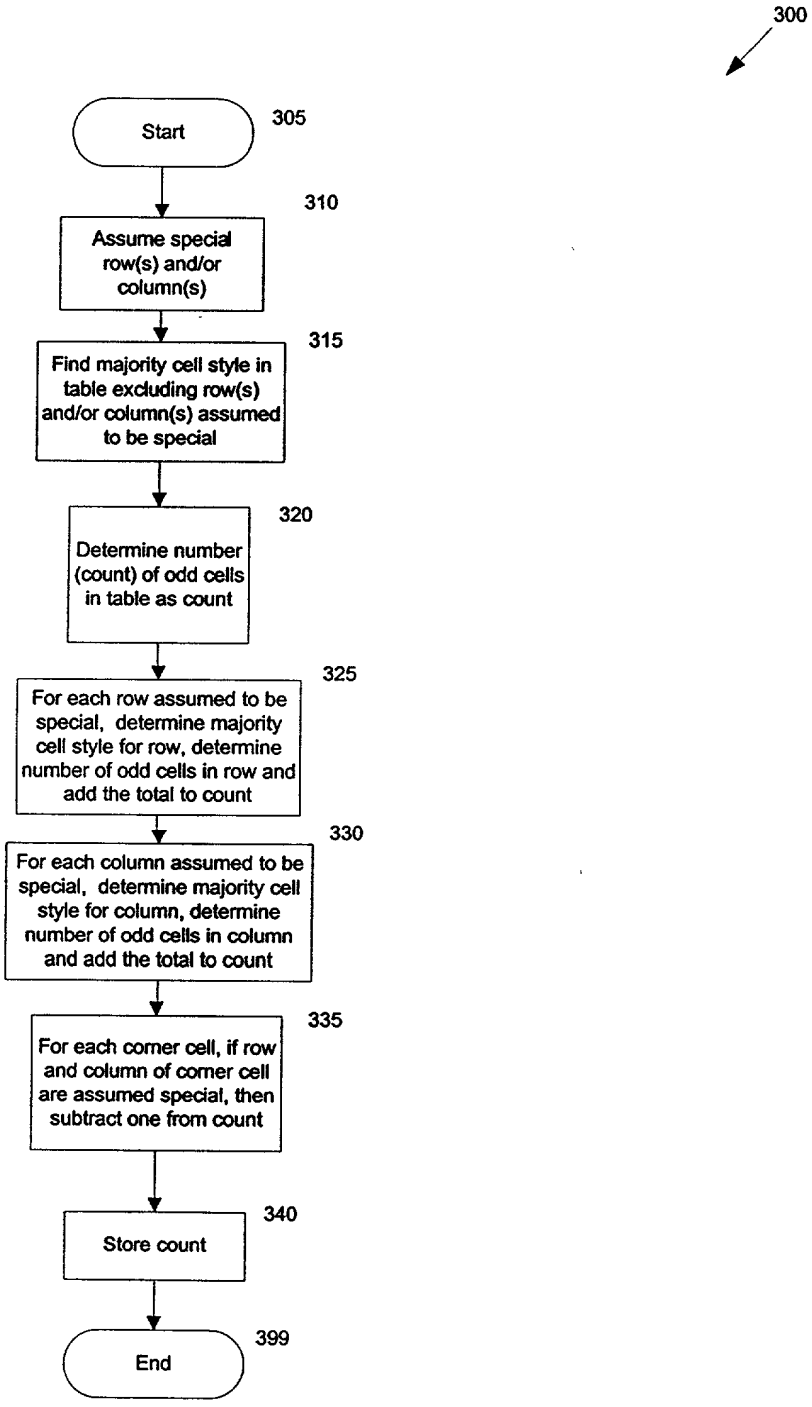
300
Start
305
Assume special row(s) and/or column(s)
310
Find majority cell style in table excluding row(s) and/or column(s) assumed to be special
315
Determine number (count) of odd cells in table as count
320
For each row assumed to be special, determine majority cell style for row, determine number of odd cells in row and add the total to count
325
For each column assumed to be special, determine majority cell style for column, determine number of odd cells in column and add the total to count
330
For each corner cell, if row and column of corner cell are assumed special, then subtract one from count
335
Store count
340
End
399

FIG. 3

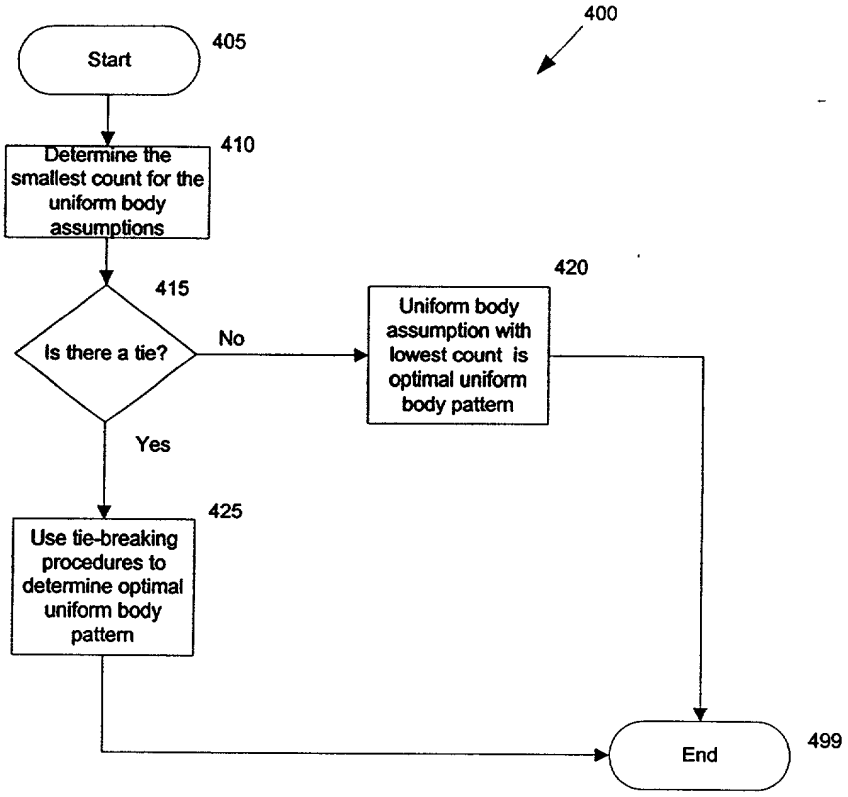
400
Start
405
Determine the smallest count for the uniform body assumptions
410
415
Is there a tie?
No
420
Uniform body assumption with lowest count is optimal uniform body pattern
Yes
425
Use tie-breaking procedures to determine optimal uniform body pattern
End
499

FIG. 4

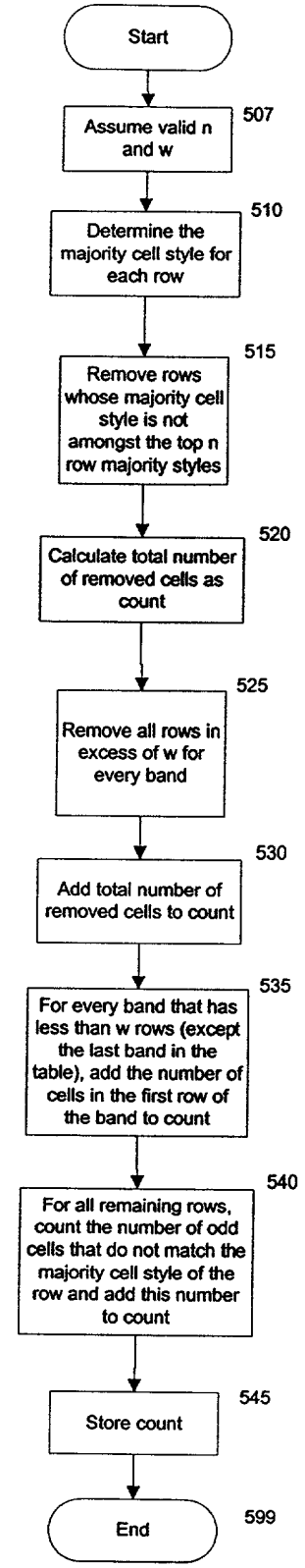
Start
Assume valid n and w
507
Determine the majority cell style for each row
510
Remove rows whose majority cell style is not amongst the top n row majority styles
515
Calculate total number of removed cells as count
520
Remove all rows in excess of w for every band
525
Add total number of removed cells to count
530
For every band that has less than w rows (except the last band in the table), add the number of cells in the first row of the band to count
535
For all remaining rows, count the number of odd cells that do not match the majority cell style of the row and add this number to count
540
Store count
545
End
599
500

FIG. 5

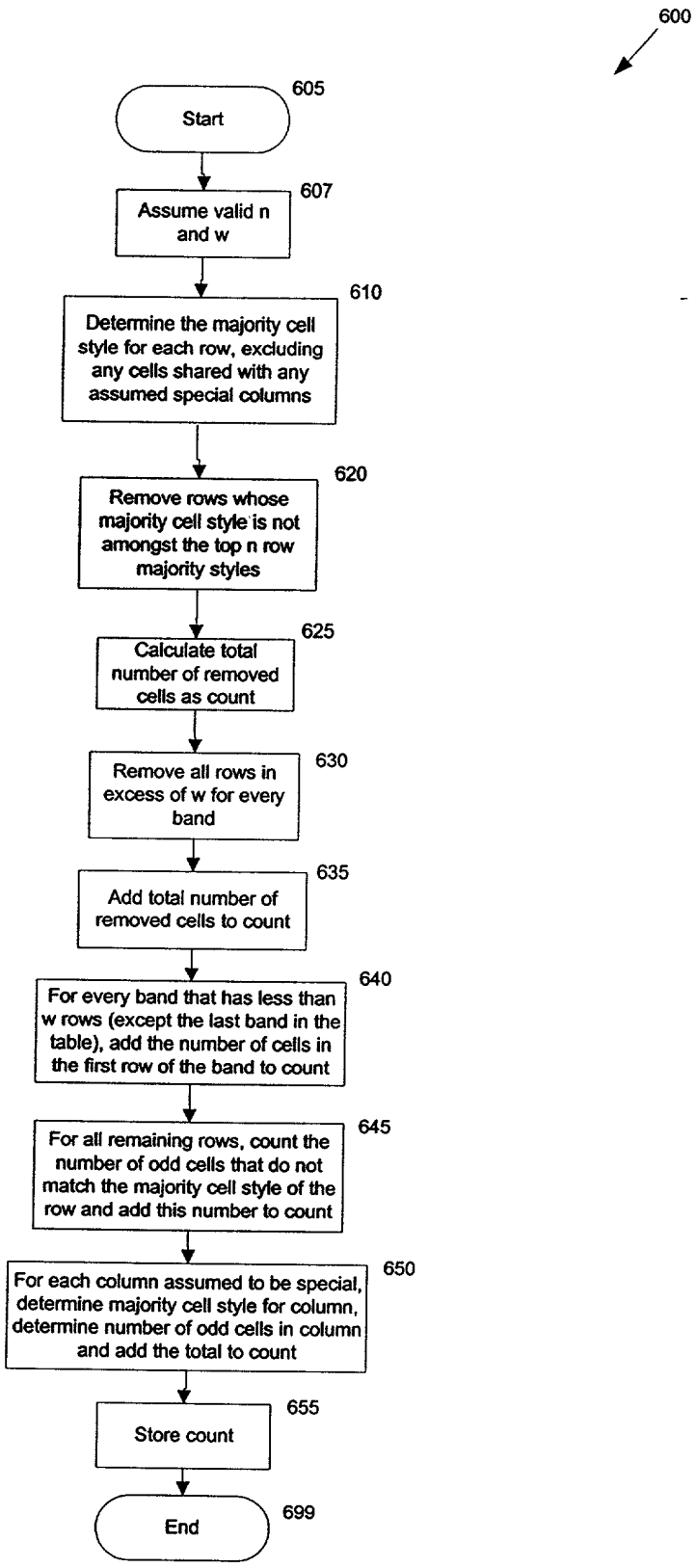
600
605
Start
607
Assume valid n and w
610
Determine the majority cell style for each row, excluding any cells shared with any assumed special columns
620
Remove rows whose majority cell style is not amongst the top n row majority styles
625
Calculate total number of removed cells as count
630
Remove all rows in excess of w for every band
635
Add total number of removed cells to count
640
For every band that has less than w rows (except the last band in the table), add the number of cells in the first row of the band to count
645
For all remaining rows, count the number of odd cells that do not match the majority cell style of the row and add this number to count
650
For each column assumed to be special, determine majority cell style for column, determine number of odd cells in column and add the total to count
655
Store count
699
End

FIG. 6

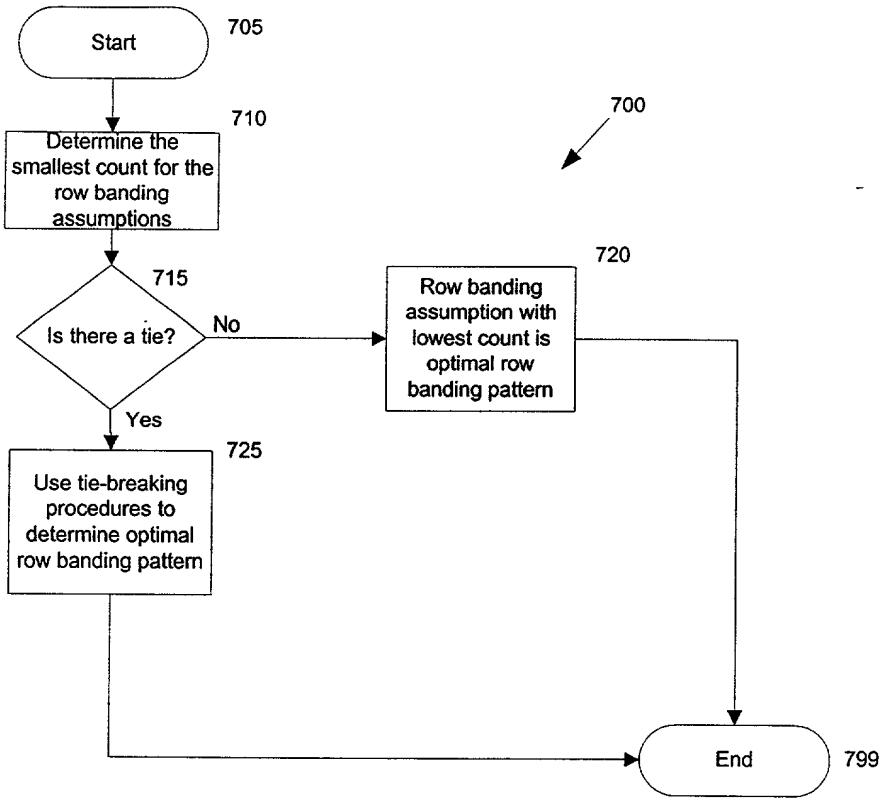
Start
705
700
710
Determine the smallest count for the row banding assumptions
715
Is there a tie?
No
720
Row banding assumption with lowest count is optimal row banding pattern
Yes
725
Use tie-breaking procedures to determine optimal row banding pattern
End
799

FIG. 7

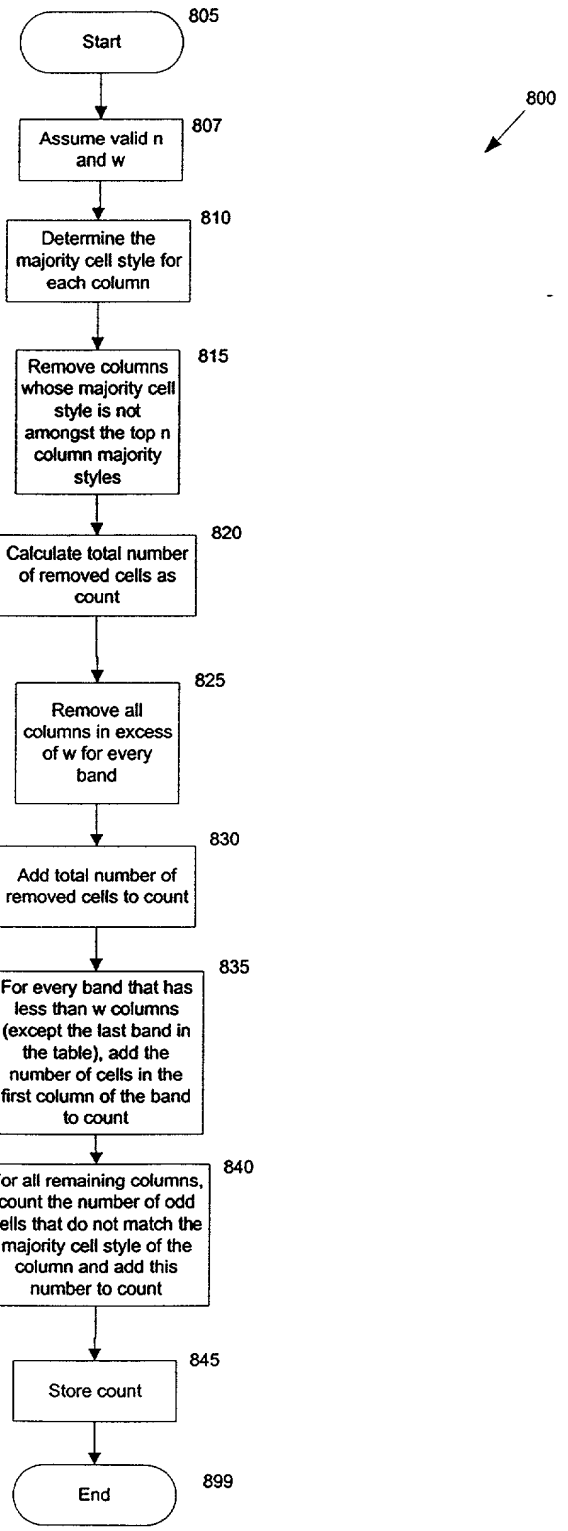
800
805
Start
807
Assume valid n and w
810
Determine the majority cell style for each column
815
Remove columns whose majority cell style is not amongst the top n column majority styles
820
Calculate total number of removed cells as count
825
Remove all columns in excess of w for every band
830
Add total number of removed cells to count
835
For every band that has less than w columns (except the last band in the table), add the number of cells in the first column of the band to count
840
For all remaining columns, count the number of odd cells that do not match the majority cell style of the column and add this number to count
845
Store count
899
End

FIG. 8

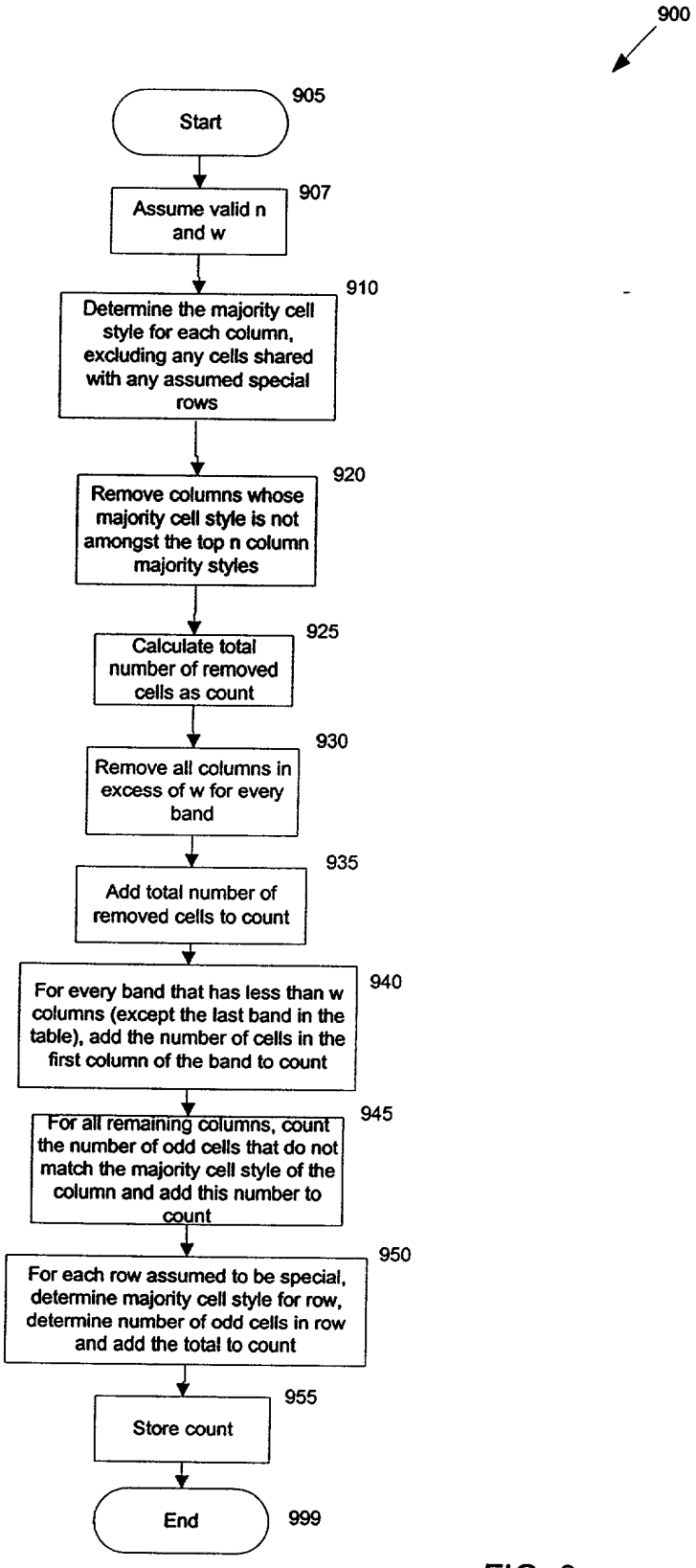
900
905
Start
907
Assume valid n and w
910
Determine the majority cell style for each column, excluding any cells shared with any assumed special rows
920
Remove columns whose majority cell style is not amongst the top n column majority styles
925
Calculate total number of removed cells as count
930
Remove all columns in excess of w for every band
935
Add total number of removed cells to count
940
For every band that has less than w columns (except the last band in the table), add the number of cells in the first column of the band to count
945
For all remaining columns, count the number of odd cells that do not match the majority cell style of the column and add this number to count
950
For each row assumed to be special, determine majority cell style for row, determine number of odd cells in row and add the total to count
955
Store count
End
999

FIG. 9

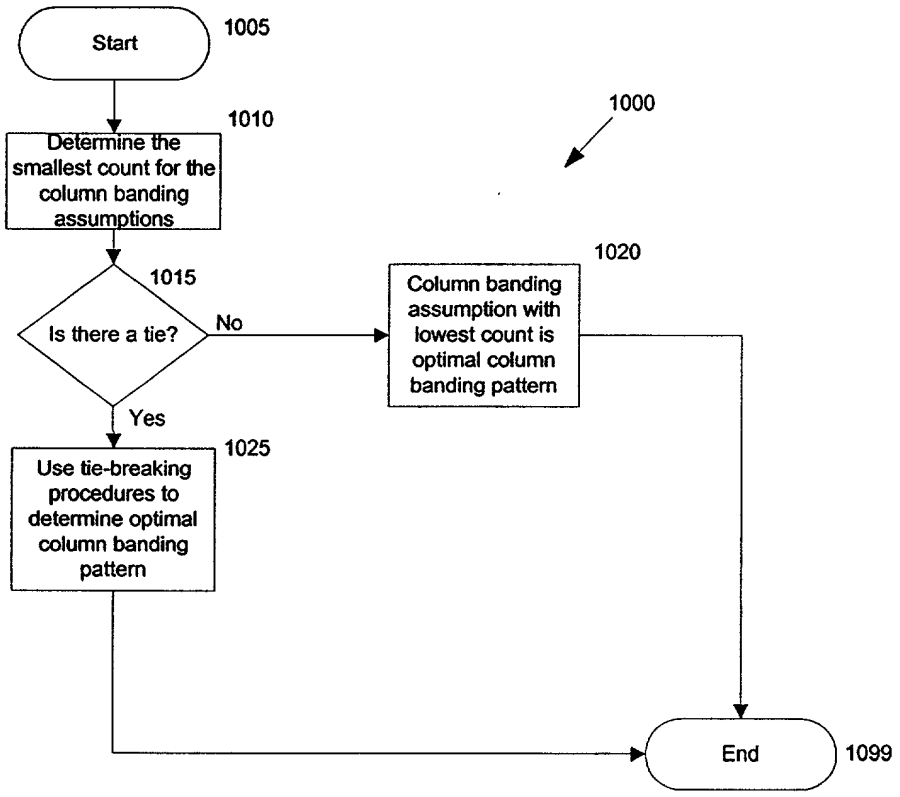
Start
1005
1000
1010
Determine the smallest count for the column banding assumptions
1015
Is there a tie?
No
1020
Column banding assumption with lowest count is optimal column banding pattern
Yes
1025
Use tie-breaking procedures to determine optimal column banding pattern
End
1099

FIG. 10

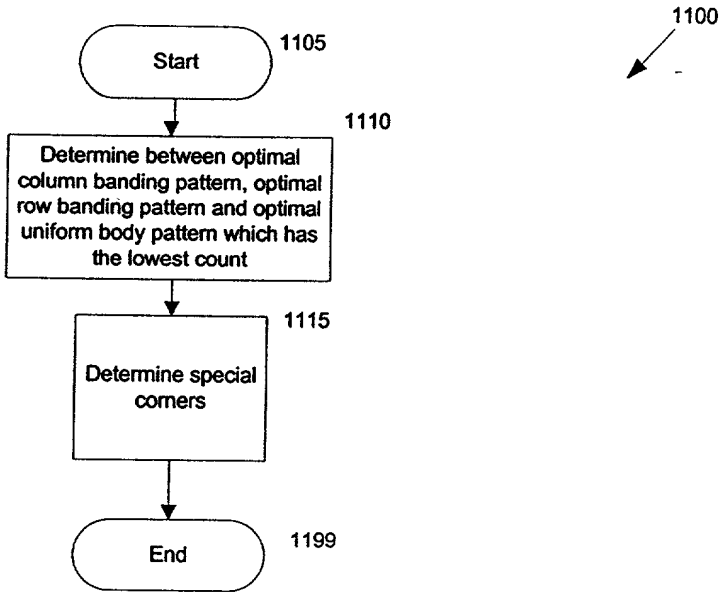
1100
Start
1105
1110
Determine between optimal column banding pattern, optimal row banding pattern and optimal uniform body pattern which has the lowest count
1115
Determine special corners
End
1199

FIG. 11